

REMARKS

The following remarks are in response to the Final Office Action. As reflected above, claims 1-25 are now pending in this application.

Specification Objections

The abstract has been amended as required by the Examiner.

35 USC 102 Rejection:

Claims 1-3, 5-16, and 24-25 are rejected under 35 U.S.C. 102 as being fully anticipated by U.S. Patent No. 5,563,775 issued to Kammiller. For the reasons set forth below, the applicants respectfully disagree.

As clearly stated in paragraph 36, fourth line from the bottom of page 11 of the specification, the alternating energy source isolates primary transformer TR from the switches and provides the needed energy for achieving ZVS. Accordingly, in response to the First Office Action, Claim 1 was amended to qualify the required "alternating energy source" as one that "isolates the at least one power transformer from said one or more controllable switching devices." It was argued that the claimed invention is distinguished over Kammiller because the disclosed inductor (14) and capacitor (16) do not constitute an alternating energy source that isolates the primary transformer TR.

The Final Action states that "[N]owhere what applicant state repeated in paragraph 35, i.e., an isolated transformer TR." The applicants are at a loss as to what is meant by "isolated transformer." Although the exemplary embodiment of the invention uses a transformer as the alternating energy source that isolates the primary transformer

TR from the switches, the phrase "isolated transformer" does not appear as a limitation in any of the claims.

The Final Action highlights a statement in paragraph 35 of the specification regarding "an isolated phase shift controlled full bridge converter creates conditions for achieving ZVS...." and argues that "the full bridge converter is operated as a ZVS device and is isolated in the same manner as Kimiller." However, the claim require isolation of the primary transformer TR from the switches. No such isolation is disclosed in the Kimiller. Even assuming that inductor (14) and capacitor (16) comprise an alternating energy source, there is no isolation between such source and the disclosed power transformer.

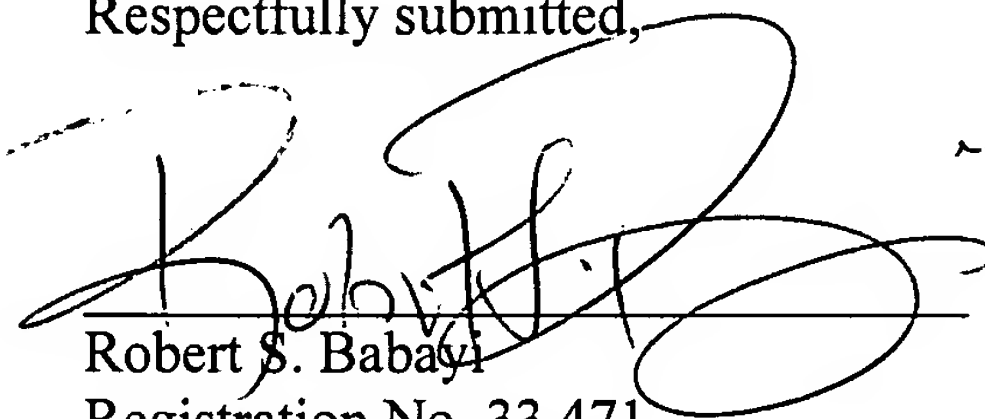
As sated in response to the previous Action, Kammiller discloses a full-bridge phase displaced resonant transition circuit having a center-tap placed on the power transformer primary winding. The center-tap is connected to the inductor (14) at one end with another end of the inductor connected to a large capacitor (16). It is respectfully submitted that the inductor (14) and capacitor (16) of Kammiller do not constitute an alternating energy source that isolates the primary transformer TR.

In view of the above, it is respectfully submitted that all pending claims are now in allowable condition. Early issuance of a Notice of Allowance is respectfully solicited.

If the Examiner is of the opinion that the prosecution of this application would be advanced by a personal interview, the Examiner is invited to telephone undersigned counsel to arrange for such an interview.

4/29/05
Date

Respectfully submitted,



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